

8 7 6 5 4 3 2 1

ITEM #	QTY	PART #	PART TITLE
-1	1	RBT18420-1	BOLT
-3	1	RBT18420-3	BODY
-5	1	RBT18420-5	PLATE
6	1	McMaster#98407A134	3/8" RETAINING RING
7	1	McMaster#91950A031	0.406" X 0.812" SS WASHER
8	4	NAS1351-C316	#10-32 SOCKET HEAD SCREW
9	4	NAS1149-C0363R	.203" X .438" X .063" SS WASHER
10	4	MS21209-F130L	#10-32 HELICAL INSERT

D

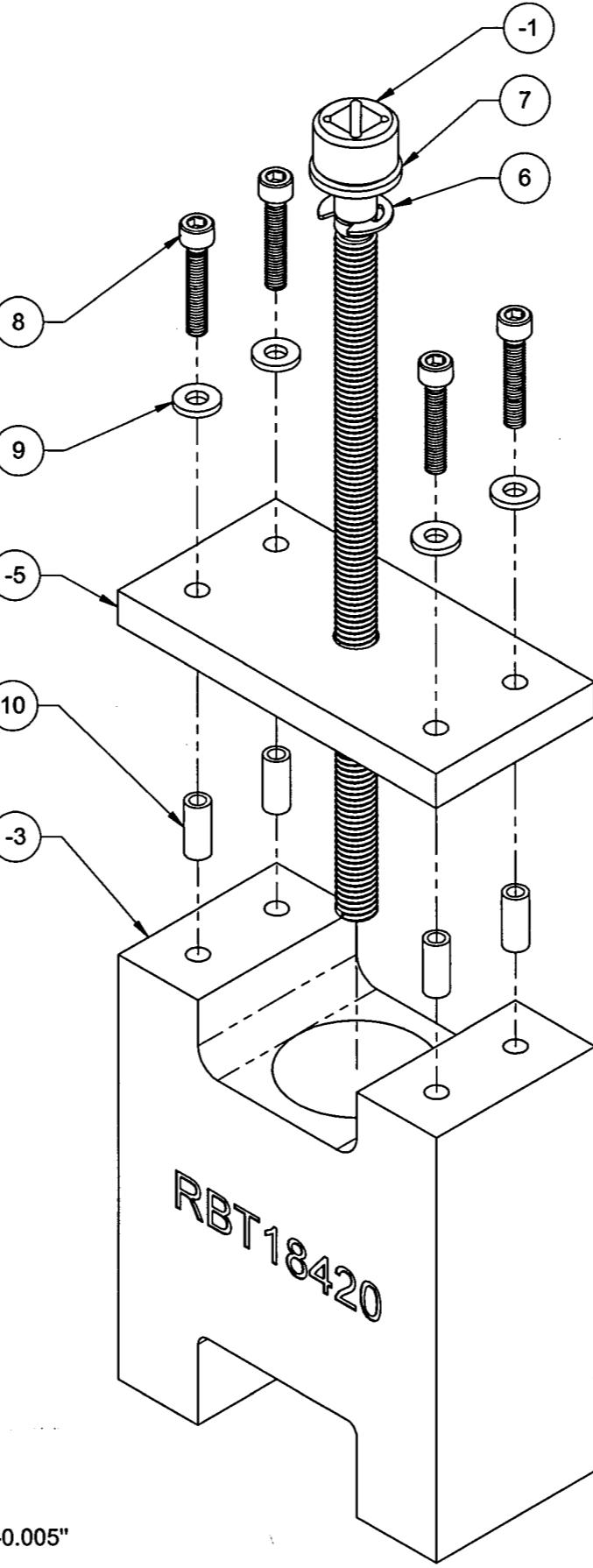
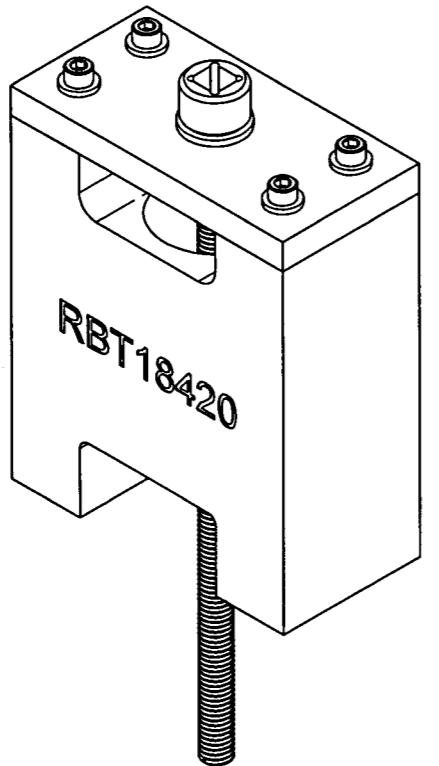
D

C

C

B

B



NOTES:

1) MATERIAL: N/A
2) HEAT TREAT: N/A

3) FINISH: N/A

4) TOLERANCES: X.X = +/- 0.1" / +/- 1°

X.XX = +/- 0.01" / +/- 0.5°

X.XXX = +/- 0.005" / +/- 0.1°

X.XXXX = +/- 0.0005" / +/- 0.05°

PARALLELISM, ECCENTRICITY AND SYMMETRY ABOUT ALL CENTER LINES = +/-0.005"

5) UNITS: INCHES UNLESS OTHERWISE NOTED

6) BREAK SHARP EDGES: N/A

7) IDENTIFICATION: N/A

8) ASSEMBLE AS SHOWN

RBT18420 WING PIN PULLER

A	NEW ISSUE	18-589	KT		
REV.	DESCRIPTION	ECN #	BY		
DESIGN	KT	DART AEROSPACE LTD HAWKESBURY, ONTARIO, CANADA			
DRAWN	KT				
CHECKED	ML 03/20/2018			TOOL PART #	RBT18420
MFG. APPR.	DD 03/20/2018			REV. A	SHEET 1 OF 4
APPROVED	ML 03/20/2018	TITLE	WING PIN PULLER		
DATE 3/20/2018		SCALE	NTS		
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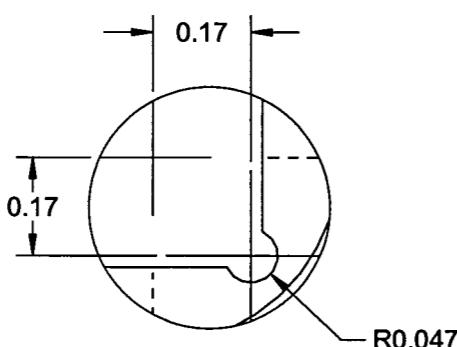
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2

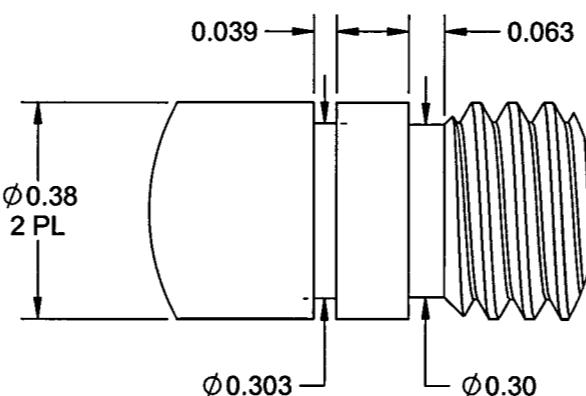
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A

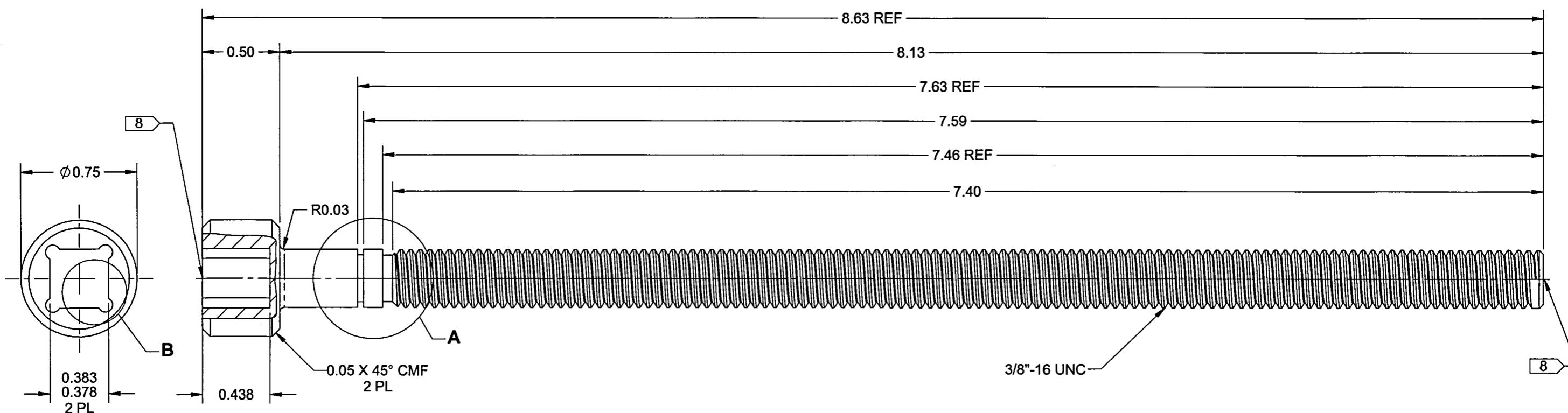
8 7 6 5 4 3 2 1



DETAIL B
4 PL



DETAIL A



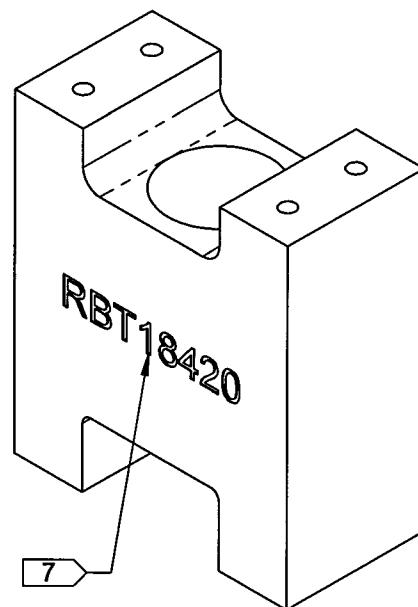
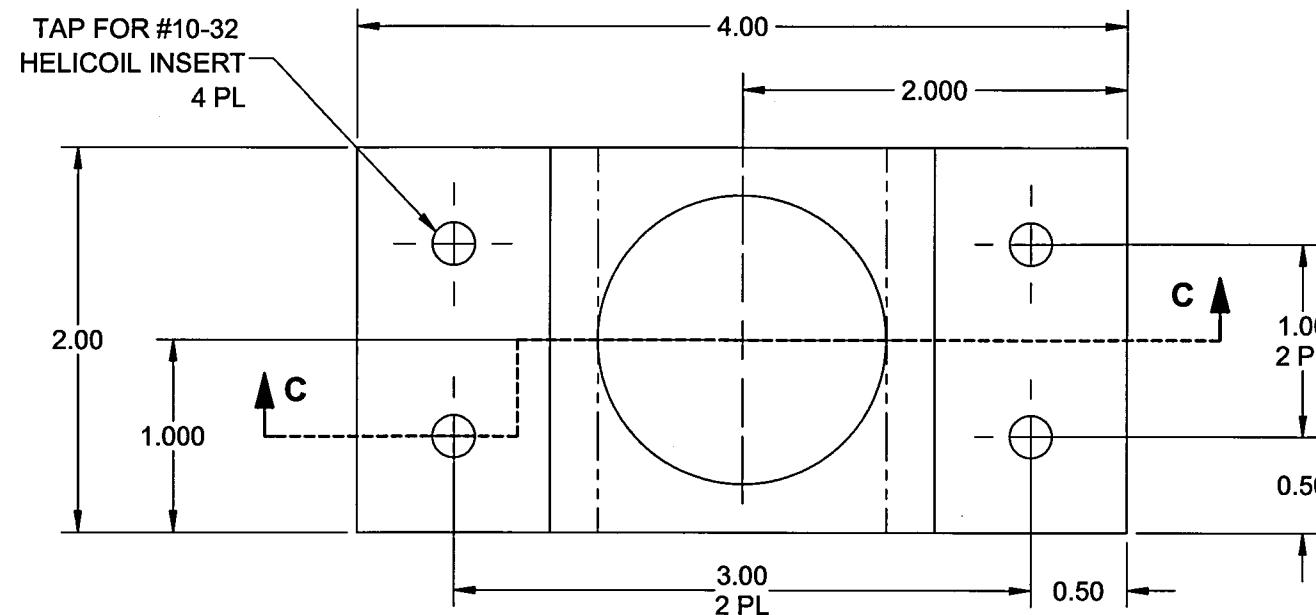
RBT18420-1 BOLT

NOTES:

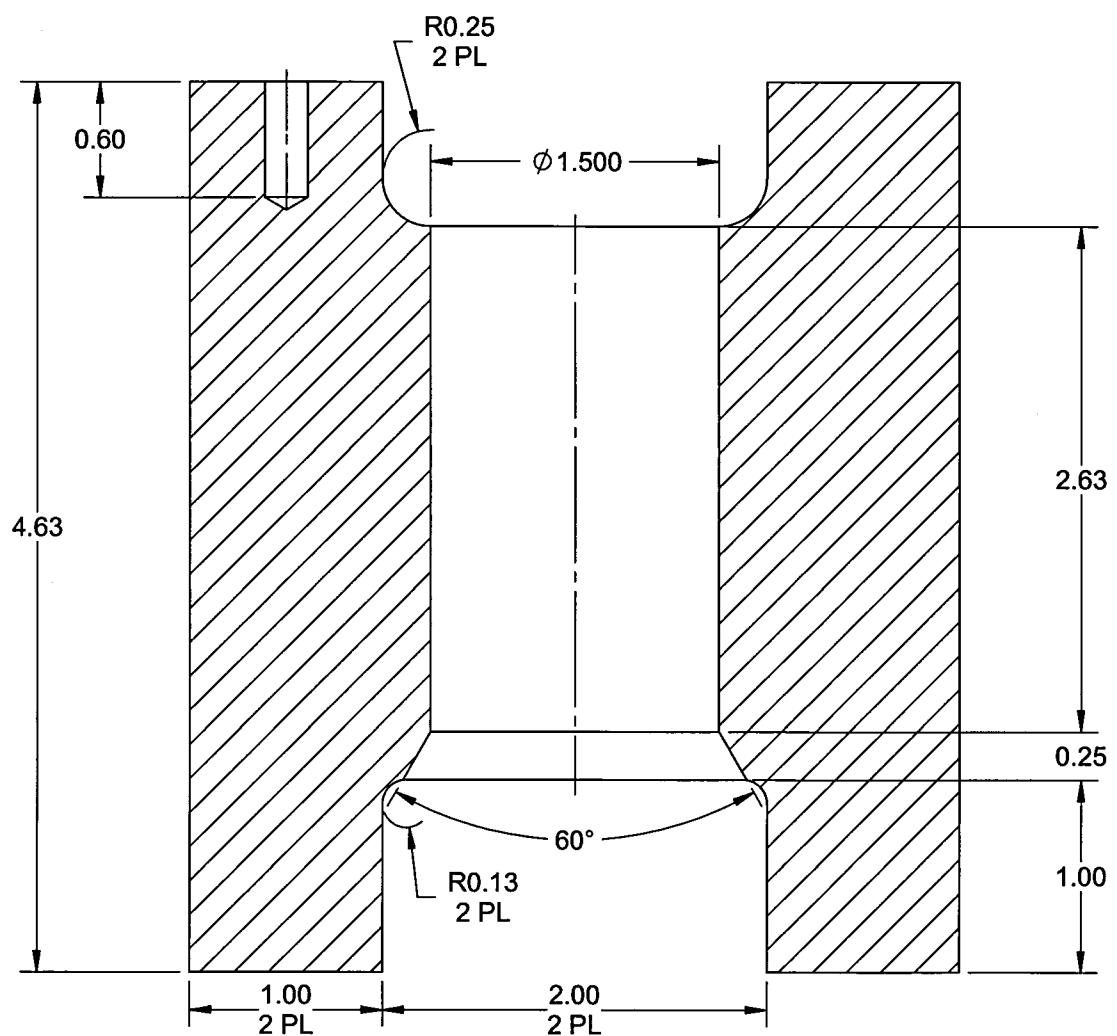
- 1) MATERIAL: 4140/4142 (28-32 RC)
- 2) HEAT TREAT: N/A
- 3) FINISH: BLACK OXIDE PER MIL-C-13924 CLASS 1/2/4 THEN APPLY A THIN LAYER OF OIL / CPC PER MIL-PRF-16173 GRADE 3 CLASS 1 OR MIL-C-81309 TYPE III OR MIL-C-23411A OR MIL-PRF-81309 AND WIPE OFF EXCESS
- 4) TOLERANCES: X.X = +/- 0.1" / +/- 1°
X.XX = +/- 0.01" / +/- 0.5°
X.XXX = +/- 0.005" / +/- 0.1°
X.XXXX = +/- 0.0005" / +/- 0.05°
PARALLELISM, ECCENTRICITY AND SYMMETRY ABOUT ALL CENTER LINES = +/-0.005"
- 5) UNITS: INCHES UNLESS OTHERWISE NOTED
- 6) BREAK SHARP EDGES: 0.005" TO 0.010"
- 7) IDENTIFICATION: N/A
- 8) CENTER DRILL IS ACCEPTABLE

DESIGN	KT	DART AEROSPACE LTD HAWKESBURY, ONTARIO, CANADA
DRAWN	KT	
CHECKED	ML 03/20/2018	TOOL PART #
MFG. APPR.	DD 03/20/2018	RBT18420
APPROVED	ML 03/20/2018	SHEET 2 OF 4
DATE 3/20/2018		TITLE WING PIN PULLER
		SCALE NTS
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8 7 6 5 4 3 2 1



RBT18420-3 BODY



SECTION C-C

NOTES:

1) MATERIAL: UHMW

2) HEAT TREAT: N/A

3) FINISH: N/A

4) TOLERANCES: X.X = +/- 0.1" / +/- 1°

X.XX = +/- 0.01" / +/- 0.5°

X.XXX = +/- 0.005" / +/- 0.1°

X.XXXX = +/- 0.0005" / +/- 0.05°

PARALLELISM, ECCENTRICITY AND SYMMETRY ABOUT ALL CENTER LINES = +/- 0.005"

5) UNITS: INCHES UNLESS OTHERWISE NOTED

6) BREAK SHARP EDGES: 0.005" TO 0.010"

7) IDENTIFICATION: MACHINE ENGRAVE PER CAD MODEL AS SHOWN

DESIGN	KT	DART AEROSPACE LTD HAWKESBURY, ONTARIO, CANADA
DRAWN	KT	
CHECKED	ML 03/20/2018	TOOL PART #
MFG. APPR.	DD 03/20/2018	RBT18420
APPROVED	ML 03/20/2018	SHEET 3 OF 4
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		WING PIN PULLER
		SCALE
		NTS
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